

1        Amendments to the Claims:

2        This listing of claims will replace all prior versions, and  
3        listings, of claims in the application using (Original) (Currently  
4        Amended) (New) (Canceled) (Previously Presented) nomenclature, as  
5        recited in the below listing of claims.

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7        1. Canceled.

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9        2. Canceled.

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11        3. (Currently Amended) A communication system for broadcasting a  
12        channel signal, the system comprising,

13                a detection receiver for receiving a channel signal having a  
14                modulated carrier for communicating first messages using a first  
15                spreading code and communicating second messages using a second  
16                spreading code, the detection receiver comprising:

17                a first replica spreading code generator providing a first  
18                replica spreading code;

19                a second replica spreading code generator providing a second  
20                replica spreading code;

21                a first despread for despread the channel signal into a  
22                first despread signal;

23                a second despread for despread the channel signal into a  
24                second despread signal;

25                a first carrier demodulator for carrier demodulating the first  
26                despread signal into first quadrature signals;

27                a second carrier demodulator for carrier demodulating the  
28                second despread signal into second quadrature signals;

1       a first power detector for detecting the power level of the  
2 first quadrature signal for providing a first power signal;

3       a second power detector for detecting the power level of the  
4 second quadrature signal for providing a second power signal;

5       a comparator for determining which one of the first power  
6 signal or the second power signal is present; and

7       a selector for selecting and providing the first quadrature  
8 signal when the first power signal is present or for selecting and  
9 providing the second quadrature signal when the second power signal  
10 is present, the first quadrature signal communicating the first  
11 message when the first power signal is present, the second  
12 quadrature signal communicating the second message when the second  
13 power signal is present,

14       the system further comprising,

15       a data source for providing the first message during a first  
16 time period when the first power signal is present and for  
17 providing the second message during a second time period when the  
18 second power signal is present,

19       a code generator for generating an original first spreading  
20 code and an original second spreading code,

21       a spreader for spectrum spreading the first message by the  
22 original first spreading code and for spectrum spreading the second  
23 message by the original second spreading code, the first replica  
24 spreading code being a replica of the original first spreading  
25 code, the second replica spreading code being a replica of the  
26 original second spreading code, the first message and second  
27 message are spectrum spread into first and second spread spectrum  
28 signals,

1 a transmitter for broadcasting the channel signal by  
2 modulating a carrier by the first spread spectrum signal during the  
3 first time period and by the second spread spectrum signal during  
4 the second time period, and

5 a first code receiver for receiving the first message during  
6 the first time period, the transmitter system communicating to the  
7 detection receiver and to the first code receiver during the first  
8 time period, the transmitter system selectively communicating to  
9 the detection receiver and not the first code receiver during the  
10 second time period.

11  
12 4. (Original) The system of claim 3 further comprising,

13 a plurality of detection receivers receiving the first and  
14 second messages.

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16 5. (Previously Presented) The system of claim 3 further comprising  
17 a plurality of first code receivers for receiving the first  
18 messages.

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20 6. (Original) The system of claim 3 wherein,

21 the first and second codes are partially correlated.

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